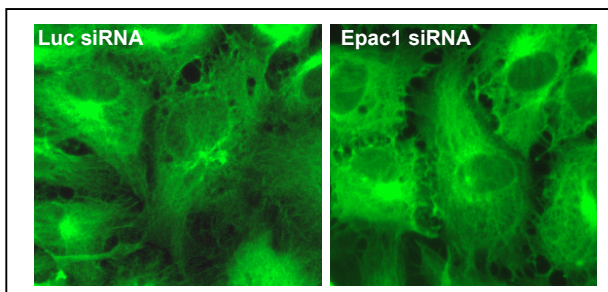


**Figure 1S: Analysis of Epac1 and Epac2 expression.** RNA was isolated and cDNA was reverse transcribed and amplified from HUVEC and HEK293 cells. Specific primers for Epac1 and Epac2 together with the indicated templates were subjected to RT-PCR as described in Fang Y and Olah ME, 2007. An expected 450bp band was observed for Epac1 in HUVEC while a predicted 650bp band for Epac2 was observed in HEK293 cells but not in HUVEC samples. B) Cell lysates of PC12 cells and HUVEC were electrophoresed on an 8% SDS-PAGE and western blotted with an Epac2 antibody (Santa Cruz) or tubulin as a protein loading control. A band of approx. 120kD was observed in both samples, however the mobility of the band in HUVEC is slower than that observed for PC12 cells.



**Figure 2S: Microtubule distribution in HUVEC following Epac1 silencing.** HUVEC expressing Luc or Epac1 siRNA were stained with anti- $\alpha$ -tubulin antibody. Representative fields of the indicated samples are shown.